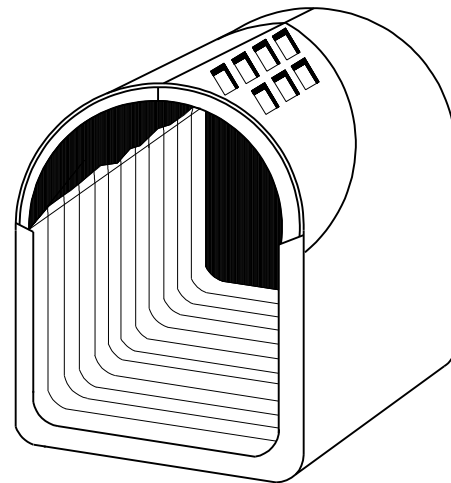


CAST IRON GRATES

FOR

4' X 6' STANDARD SECTIONAL CONCRETE CATTLE PASS

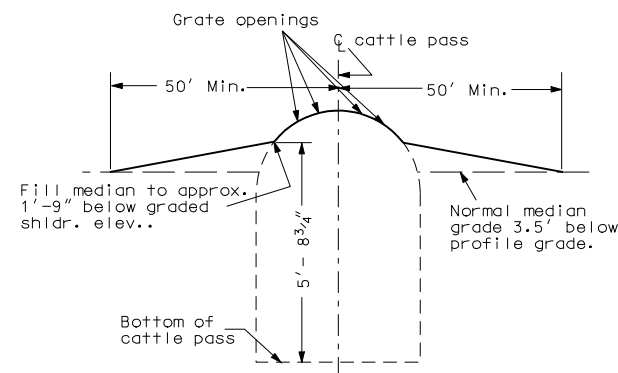
D-714-12



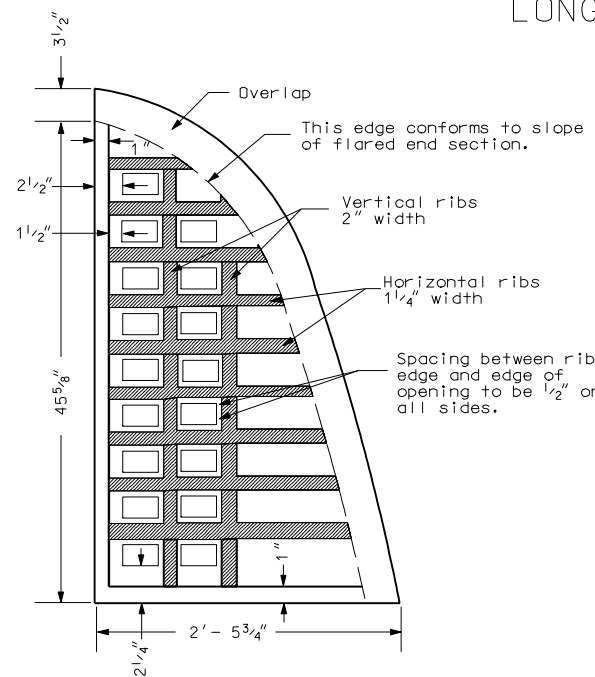
PERSPECTIVE

NOTES:

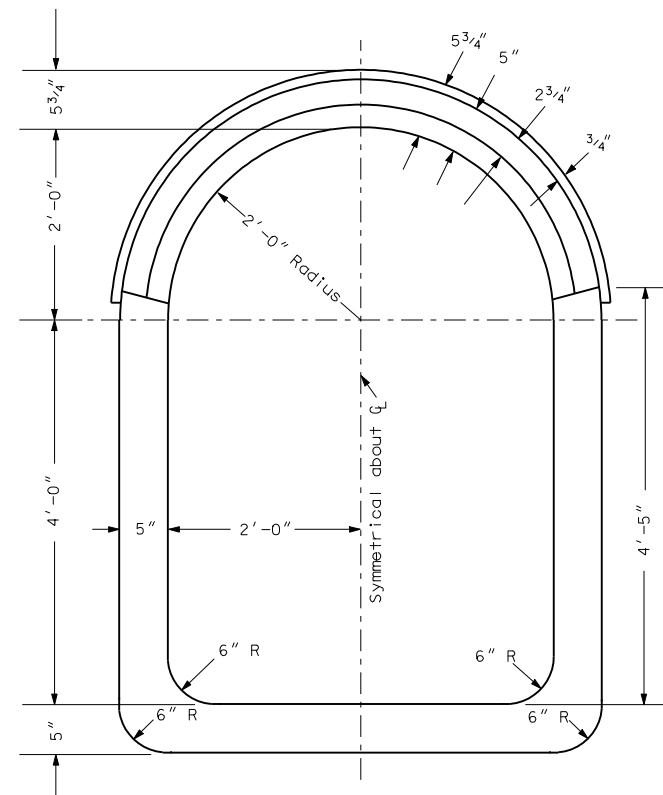
- Basis Of Payment - Cast iron grates to be included in price bid for 4'X6' std. sectional concrete cattle pass.
- Method Of Measurement - The complete unit shall consist of four separate castings.
- Misc. Details - See standard no. D-714-9 for misc. details on sloped intermediate sections that are not covered on this drawing.
- Weight Of Casting - Each casting weighs approx. 500 lbs.
- Grates - Grates shall be grey iron in accordance with section 834.02C of the Standard Specifications.
- Bolts - Bolts shall be in accordance with ASTM Designation A-307 (Grade B) and galvanizing to be in accordance with ASTM Designation A-153.



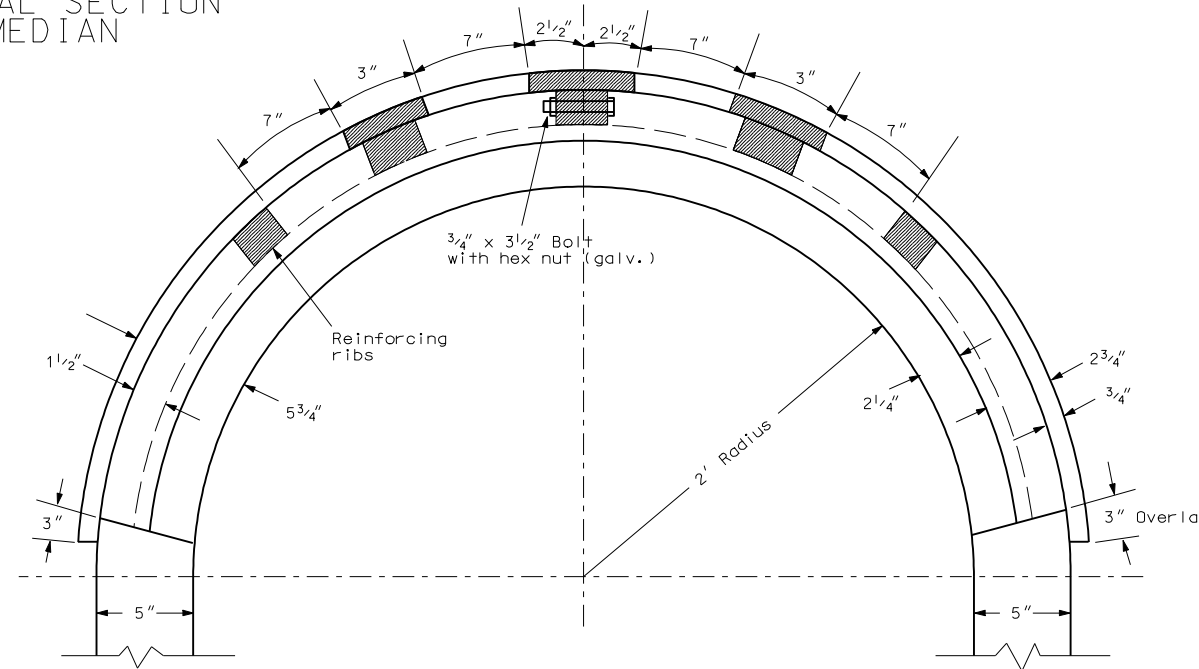
LONGITUDINAL SECTION
OF MEDIAN



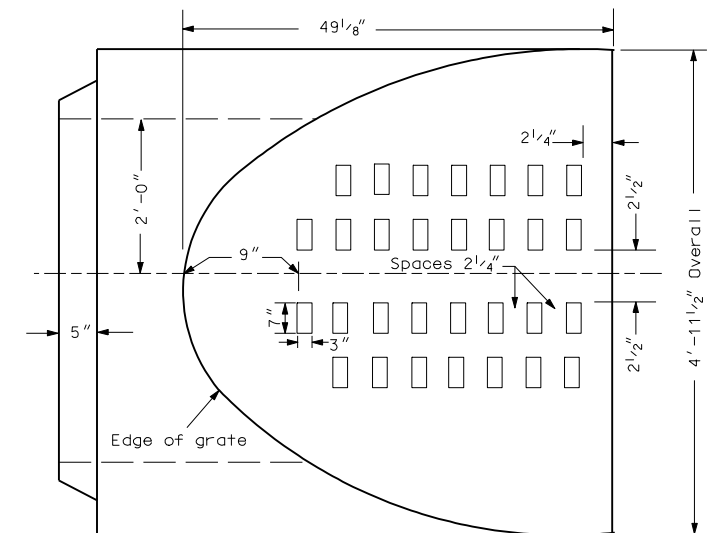
GRATE DETAILS
BOTTOM VIEW



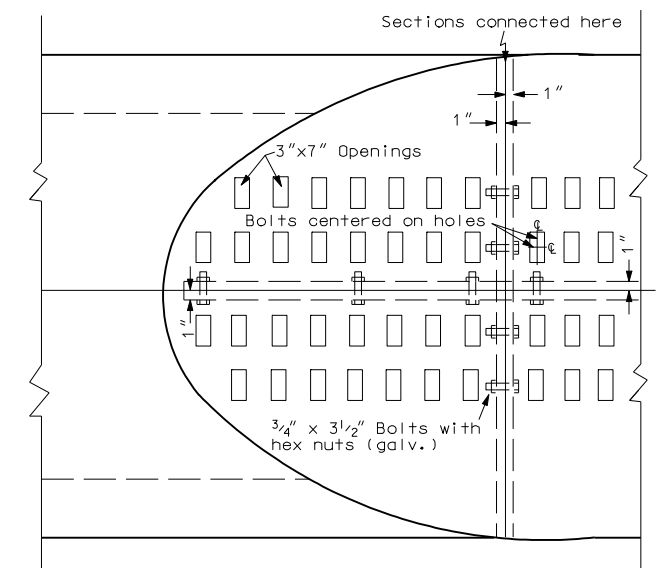
END VIEW



GRATE DETAILS
END VIEW



TOP VIEW



BOLTING DETAIL

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-1-86	
REVISIONS	
DATE	CHANGE
06-24-03	Layout revisions
12-01-04	PE Stamp added

This document was originally issued and sealed by MARK S. GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation